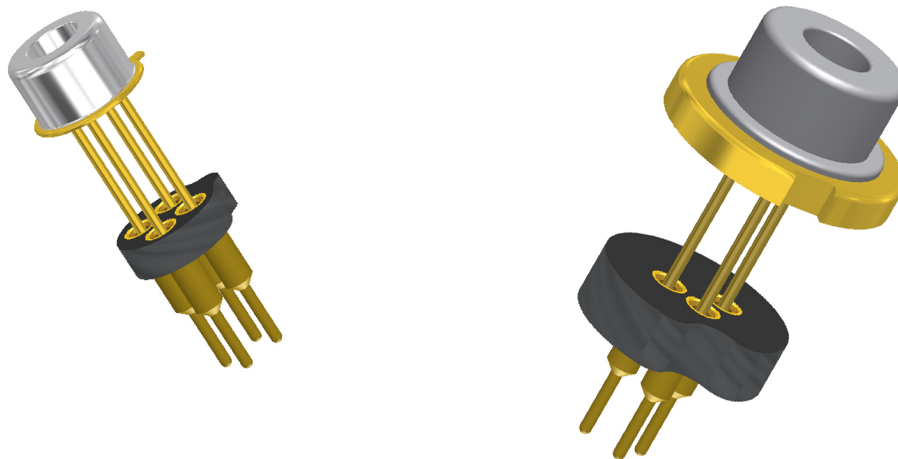




RoHS Compliant
ISO 9001
Certified

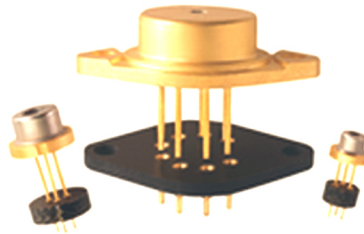
OPTOELECTRONIC SOCKETS FOR



***Largest Line of High Reliability Sensor Sockets
with Andon's Unique Senstac™ Contact***

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First Sensor AG. is a Registered® Trade Mark of  First Sensor



Optoelectronic Sockets

High reliability sockets that will cost effectively:

*Protect
Test
Assemble
and*

Enable Replacing of Opto Devices

- Solder sockets on the PCB
- Plug-in sensors after assembly
- Eliminate ESD from handling
- Eliminate damage from soldering temperatures
- Eliminate damage from cleaning solvents
- Avoid cracking the glass seal
- Reduce shock damage to wire bonds

Customers will appreciate knowing that there are ANDON sockets available

Producers of optoelectronic devices may list ANDON on their engineering drawings and website to assist their customers in design engineering.

Distributors have an opportunity to increase their revenue by selling ANDON sockets with the sales of their optoelectronic devices.

First Sensor AG Sockets						
First Sensor AG Model Number	Andon Part Number Replace "XXX" with Terminal Type	Terminal Type		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount			
500002	R200-0404-01T-XXX-R27-L14	01S	93S	.018	12	6
500003	R200-0404-01T-XXX-R27-L14	01S	93S	.018	12	6
500011	R100-0403-05T-XXX-R27-L14	75S	265S	.018	5	4
500015	R200-0403-02T-XXX-R27-L14	01S	93S	.018	11	6
500019	R100-0403-05T-XXX-R27-L14	75S	265S	.018	5	4
500020	R200-0403-02T-XXX-R27-L14	01S	93S	.018	11	6
500022	R100-0402-03T-XXX-R27-L14	75S	265S	.018	4	4
500023	R100-0402-03T-XXX-R27-L14	75S	265S	.018	4	4
500030	R100-0403-05T-XXX-R27-L14	75S	265S	.018	5	4
500038	IS229-318-XXX-R27-L14	01S	93S	.018	22	9
500041	R200-0402-02T-XXX-R27-L14	01S	93S	.018	10	5
500046	R200-0402-02T-XXX-R27-L14	01S	93S	.018	10	5
500047	IS429SP-02-XXX-R27-L14	01S	93S	.018	23	9
500103	R400-0803-01T-XXX-R27-L14	01S	93S	.018	17	7
500103	R400-0803-01T-XXX-R27-L14	01S	93S	.018	17	7
500113	R295-0402-02T-XXX-R27-L14	01S	93S	.018	14	6
500140	R400-SP06-02T-XXX-R27-L14	01S	93S	.018	18	7
500142	R400-SP06-02T-XXX-R27-L14	01S	93S	.018	18	7
500149	IS429SP-02-XXX-R27-L14	01S	93S	.018	23	9
500151	R100-0403-05T-XXX-R27-L14	75S	265S	.018	5	4
500158	R200-0403-02T-XXX-R27-L14	01S	93S	.018	11	6
500159	R200-0403-02T-XXX-R27-L14	01S	93S	.018	11	6
500160	R295-0403-01T-XXX-R27-L14	01S	93S	.018	15	6
500161	R295-0403-01T-XXX-R27-L14	01S	93S	.018	15	6
500175	R100-0402-03T-XXX-R27-L14	75S	265S	.018	4	4
500305	R100-0403-05T-XXX-R27-L14	75S	265S	.018	5	5
500482	R100-0402-03T-XXX-R27-L14	75S	265S	.018	4	4
500732	R400-SP06-02T-XXX-R27-L14	01S	93S	.018	18	7
500756	R200-0404-01T-XXX-R27-L14	01S	93S	.018	12	6
500798	R750-1806-01T-XXX-R27-L14	01S	93S	.018	20	8
500883	R200-0404-01T-XXX-R27-L14	01S	93S	.018	12	6
500923	R400-0803-01T-XXX-R27-L14	01S	93S	.018	17	7
500967	R200-0403-02T-XXX-R27-L14	01S	93S	.018	11	6
500970	R100-0403-05T-XXX-R27-L14	75S	265S	.018	5	4
500981	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501040	R200-0805-01T-XXX-R27-L14	75S	265S	.018	13	6
501049	R400-SP06-02T-XXX-R27-L14	01S	93S	.018	18	7
501048	R400-SP06-02T-XXX-R27-L14	01S	93S	.018	18	7
501103	R100-0402-03T-XXX-R27-L14	75S	265S	.018	4	4
501125	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501126	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501127	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501128	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501135	IS429SP-02-XXX-R27-L14	01S	93S	.018	23	9
501154	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501155	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501156	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501157	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501162	R100-0403-05T-XXX-R27-L14	75S	265S	.018	5	4
501163	R100-0403-05T-XXX-R27-L14	75S	265S	.018	5	4
501171	R100-0402-03T-XXX-R27-L14	75S	265S	.018	4	4
501174	R400-SP12-02T-XXX-R27-L14	01S	93S	.018	19	8
501193	R200-0402-02T-XXX-R27-L14	01S	93S	.018	10	5

First Sensor AG Sockets <i>Continued</i>						
First Sensor AG Model Number	Andon Part Number Replace "XXX" with Terminal Type	Terminal Type		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount			
501194	R200-0403-02T-XXX-R27-L14	01S	93S	.018	11	6
501198	R200-0403-02T-XXX-R27-L14	01S	93S	.018	11	6
501201	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501202	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501203	R100-0402-03T-XXX-R27-L14	75S	265S	.018	4	4
501204	R100-0403-05T-XXX-R27-L14	75S	265S	.018	5	4
501208	R200-0404-01T-XXX-R27-L14	01S	93S	.018	12	6
501214	R200-0402-02T-XXX-R27-L14	01S	93S	.018	10	5
501221	R200-0402-02T-XXX-R27-L14	01S	93S	.018	10	5
501222	R100-0805-02T-XXX-G10-L14	C2	N/A	.018	8	5
501225	R200-0404-01T-XXX-R27-L14	01S	93S	.018	12	6
501230	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501230	R200-0402-02T-XXX-R27-L14	01S	93S	.018	10	5
501231	R200-0402-02T-XXX-R27-L14	01S	93S	.018	10	5
501232	R295-0402-02T-XXX-R27-L14	01S	93S	.018	14	6
501233	R200-0404-01T-XXX-R27-L14	01S	93S	.018	12	6
501244	R295-0402-02T-XXX-R27-L14	01S	93S	.018	14	6
501246	R200-0402-02T-XXX-R27-L14	01S	93S	.018	10	5
501251	R200-0403-02T-XXX-R27-L14	01S	93S	.018	11	6
501254	R200-0805-01T-XXX-R27-L14	75S	265S	.018	13	6
501256	R200-0805-01T-XXX-R27-L14	75S	265S	.018	13	6
501258	605D-10-XXX-G10-L14-X	N/A	SM	-	25	10
501265	R200-0403-02T-XXX-R27-L14	01S	93S	.018	11	6
501289	R098-0402-01T-XXX-R27-L14	75S	265S	.018	3	4
501290	R098-0402-01T-XXX-R27-L14	75S	265S	.018	3	4
501288	605D-10-XXX-G10-L14-X	N/A	SM	-	25	10
501272	605D-10-XXX-G10-L14-X	N/A	SM	-	25	10
501275	605D-10-XXX-G10-L14-X	N/A	SM	-	25	10
501276	605D-10-XXX-G10-L14-X	N/A	SM	-	25	10
501277	605D-10-XXX-G10-L14-X	N/A	SM	-	25	10
501284	R200-0403-02T-XXX-R27-L14	01S	93S	.018	11	6
501285	R295-0403-01T-XXX-R27-L14	01S	93S	.018	15	6
501297	R200-0402-02T-XXX-R27-L14	01S	93S	.018	10	5
501298	R295-0402-02T-XXX-R27-L14	01S	93S	.018	14	6
501313	R750-1812-01T-XXX-R27-L14	01S	93S	.018	21	8
501317	605D-10-XXX-G10-L14-X	N/A	SM	-	25	10
501319	605D-10-XXX-G10-L14-X	N/A	SM	-	25	10
501400	IS429SP-02-XXX-R27-L14	01S	93S	.018	23	9
501401	605D-10-XXX-G10-L14-X	N/A	SM	-	25	10
501408	R200-0403-02T-XXX-R27-L14	01S	93S	.018	11	6
501409	R200-0403-02T-XXX-R27-L14	01S	93S	.018	11	6
501410	R200-0403-02T-XXX-R27-L14	01S	93S	.018	11	6
501416	R400-SP06-02T-XXX-R27-L14	01S	93S	.018	18	9
501417	R400-SP06-02T-XXX-R27-L14	01S	93S	.018	18	9
501424	R100-0402-03T-XXX-R27-L14	75S	265S	.018	4	4
501425	R200-0402-02T-XXX-R27-L14	01S	93S	.018	10	5
501429	R100-0403-05T-XXX-R27-L14	75S	265S	.018	5	4
501430	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501432	R200-0402-02T-XXX-R27-L14	01S	93S	.018	10	5
501435	605D-10-XXX-G10-L14-X	N/A	SM	-	25	10
501445	IS429SP-02-XXX-R27-L14	01S	93S	.018	23	9
501810	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501811	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9

First Sensor AG Sockets <i>Continued</i>						
First Sensor AG Model Number	Andon Part Number Replace "XXX" with Terminal Type	Terminal Type		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount			
501812	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501819	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501820	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501828	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501829	604D-06-XXX-G10-L14-X	N/A	SM	-	24	9
501831	R100-0403-05T-XXX-R27-L14	75S	265S	.018	5	4
501900	R400-0803-01T-XXX-R27-L14	01S	93S	.018	17	7
501903	R400-0803-01T-XXX-R27-L14	01S	93S	.018	17	7
501904	R400-0803-01T-XXX-R27-L14	01S	93S	.018	17	7
501907	R200-0402-02T-XXX-R27-L14	01S	93S	.018	10	5
516301	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516302	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516303	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516306	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516307	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516309	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516401	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516501	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516502	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516503	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516505	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516506	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516507	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516508	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516509	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516510	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516511	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516512	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516601	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516702	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516703	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516704	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516801	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516802	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
516803	R100-0404-01T-XXX-R27-L14	75S	265S	.018	7	5
517802	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
517803	R177-0806-01N-XXX-R27-L14	75S	265S	.018	9	5
517804	R079-0404-01T-XXX-R27-L14	274K	281K	.018	2	4
517805	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
517806	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
518001	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
518003	R100-0403-4N-XXX-R27-L14	75S	265S	.018	6	5
518004	R100-0403-4N-XXX-R27-L14	75S	265S	.018	6	5
518302	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
518303	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
518304	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
518501	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
518502	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
518503	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
518505	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
518802	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
519001	R079-0403-01T-XXX-R27-L14	274K	281K	.018	1	4
524601	R100-0402-03T-XXX-R27-L14	75S	265S	.018	4	4

First Sensor AG Sockets <i>Continued</i>						
First Sensor AG Model Number	Andon Part Number Replace "XXX" with Terminal Type	Terminal Type		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount			
524603	R100-0402-03T-XXX-R27-L14	75S	265S	.018	4	4
524605	R100-0402-03T-XXX-R27-L14	75S	265S	.018	4	4
524607	R100-0402-03T-XXX-R27-L14	75S	265S	.018	4	4
524612	R100-0402-03T-XXX-R27-L14	75S	265S	.018	4	4
50123401	R400-SP06-02T-XXX-R27-L14	01S	93S	.018	18	7
50147701	IS429SP-02-XXX-R27-L14	01S	93S	.018	23	9
50147702	IS429SP-02-XXX-R27-L14	01S	93S	.018	23	9
K-Series A/G	R300-SP07-01T-XXX-R27-L14	01S	93S	.018	16	7
K-Series D	R300-SP07-01T-XXX-R27-L14	01S	93S	.018	16	7

Top View Shown
Units: in [mm]

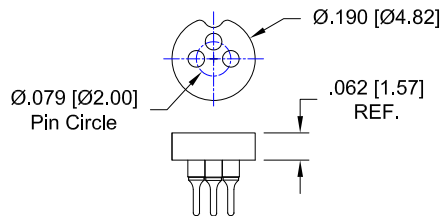


Fig. 1

Thru-Hole: R079-0403-01T-**274K**-R27-L14
Surface Mount: R079-0403-01T-**281K**-R27-L14

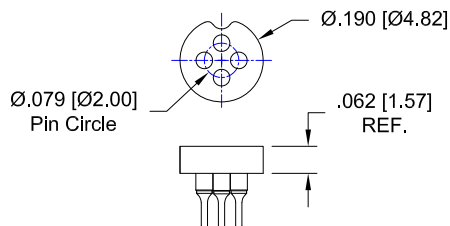


Fig. 2

Thru-Hole: R079-0404-01T-**274K**-R27-L14
Surface Mount: R079-0404-01T-**281K**-R27-L14

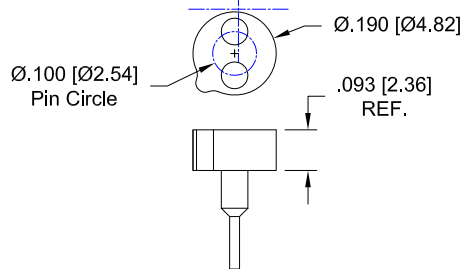


Fig. 4

Thru-Hole: R100-0402-03T-**75S**-R27-L14
Surface Mount: R100-0402-03T-**265S**-R27-L14

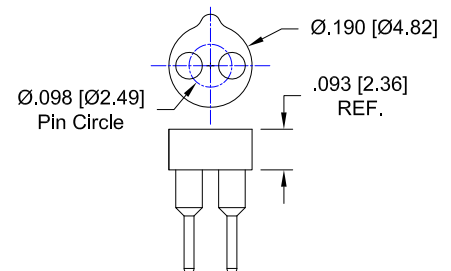
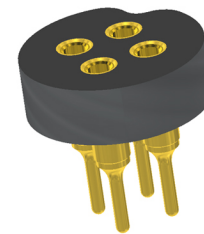


Fig. 3

Thru-Hole: R098-0402-01T-**75S**-R27-L14
Surface Mount: R098-0402-01T-**265S**-R27-L14

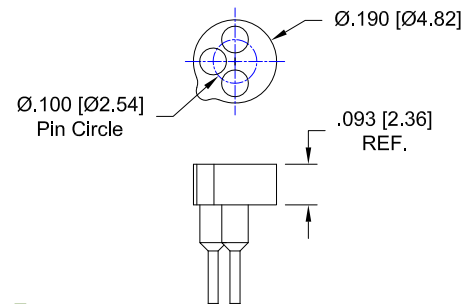


Fig. 5

Thru-Hole: R100-0403-05T-**75S**-R27-L14
Surface Mount: R100-0403-05T-**265S**-R27-L14

First Sensor AG Continued

Top View Shown
Units: in [mm]

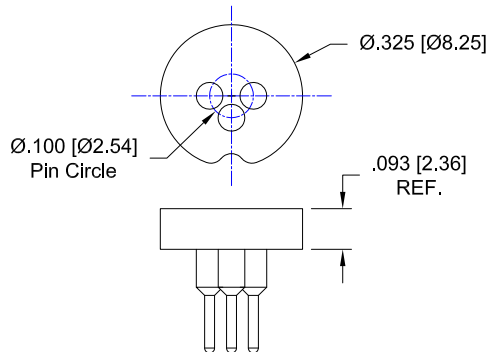


Fig. 6

Thru-Hole: R100-0403-04N-**75S**-R27-L14
Surface Mount: R100-0403-04N-**265S**-R27-L14

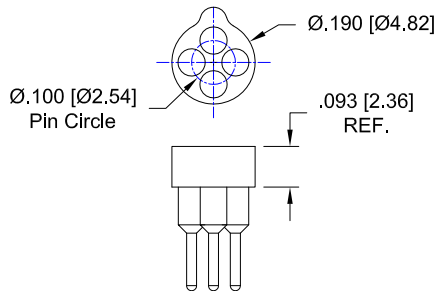
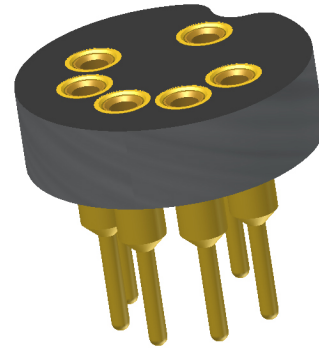


Fig. 7

Thru-Hole: R100-0404-01T-**75S**-R27-L14
Surface Mount: R100-0404-01T-**384S**-R27-L14

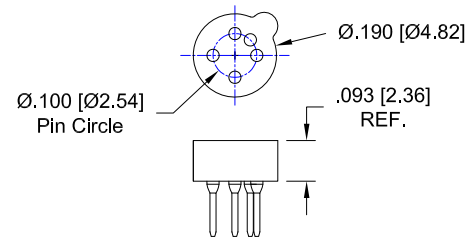


Fig. 8

Thru-Hole: R100-0805-02T-**C2**-G10-L14
Surface Mount: NOT AVAILABLE

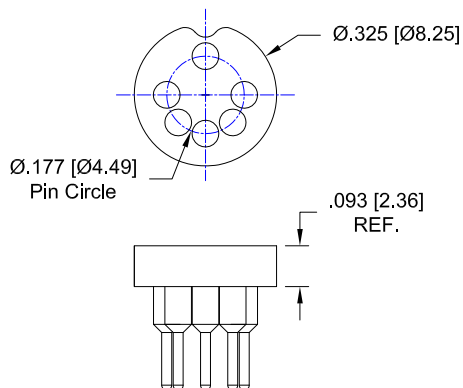


Fig. 9

Thru-Hole: R177-0806-01N-**75S**-R27-L14
Surface Mount: R177-0806-01N-**265S**-R27-L14

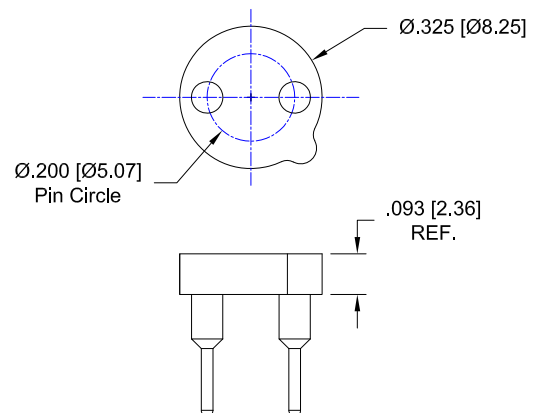


Fig. 10

Thru-Hole: R200-0402-02T-**01S**-R27-L14
Surface Mount: R200-0402-02T-**93S**-R27-L14

First Sensor AG Continued

Top View Shown
Units: in [mm]

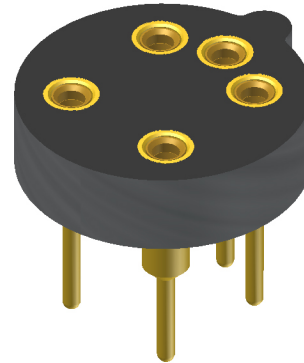
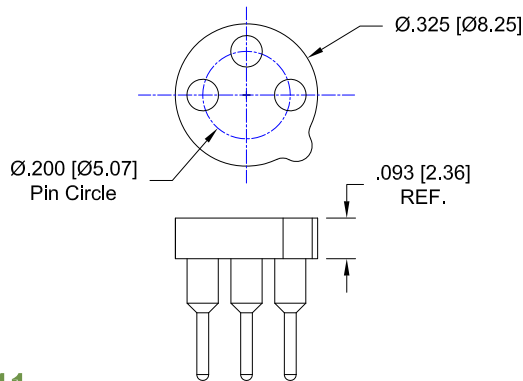


Fig. 11

Thru-Hole: R200-0403-02T-**01S**-R27-L14
Surface Mount: R200-0403-02T-**93S**-R27-L14

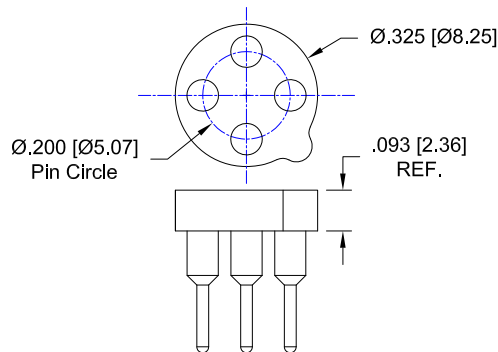


Fig. 12

Thru-Hole: R200-0404-01T-**01S**-R27-L14
Surface Mount: R200-0404-01T-**93S**-R27-L14

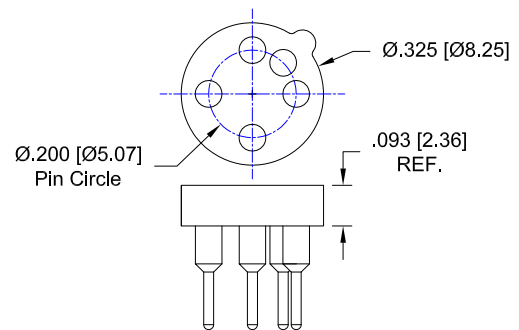


Fig. 13

Thru-Hole: R200-0805-01T-**75S**-R27-L14
Surface Mount: R200-0805-01T-**265S**-R27-L14

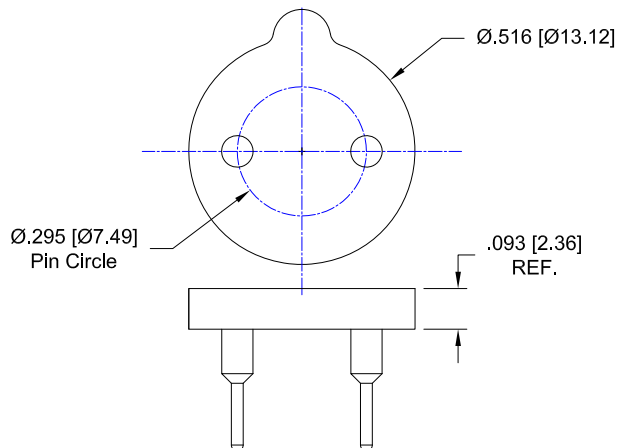


Fig. 14

Thru-Hole: R295-0402-02T-**01S**-R27-L14
Surface Mount: R295-0402-02T-**93S**-R27-L14

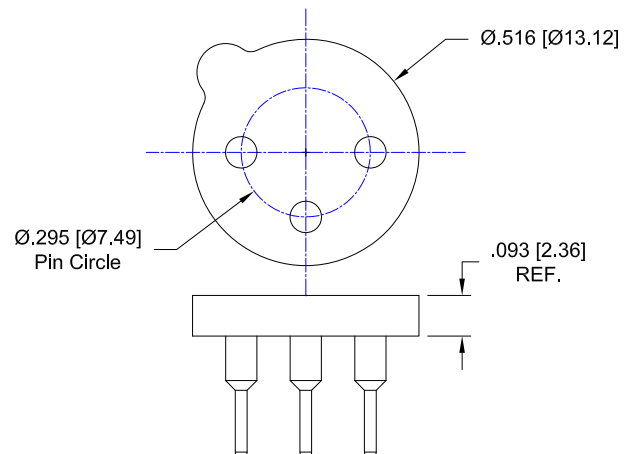


Fig. 15

Thru-Hole: R295-0403-01T-**01S**-R27-L14
Surface Mount: R295-0403-01T-**93S**-R27-L14

First Sensor AG Continued

Top View Shown
Units: in [mm]

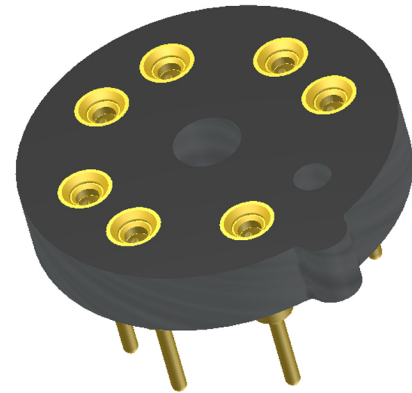
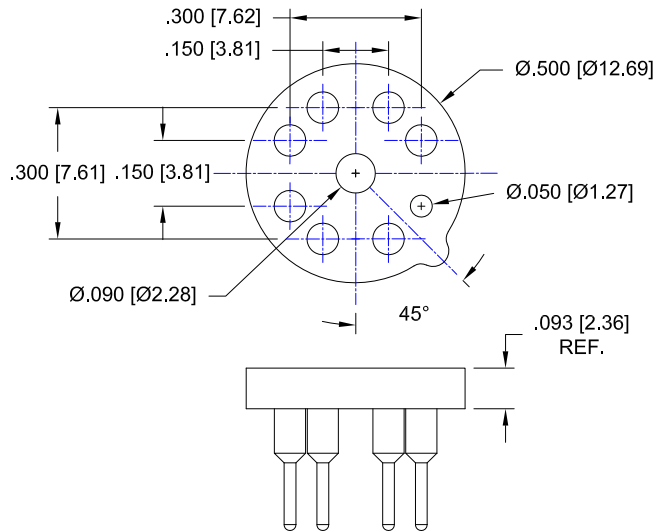


Fig. 16

Thru-Hole: R300-SP07-01T-01S-R27-L14
Surface Mount: R300-SP07-01T-93S-R27-L14

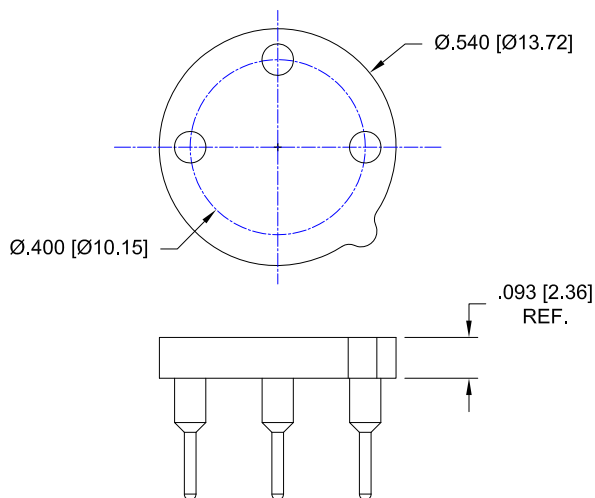


Fig. 17

Thru-Hole: R400-0803-01T-01S-R27-L14
Surface Mount: R400-0803-01T-93S-R27-L14

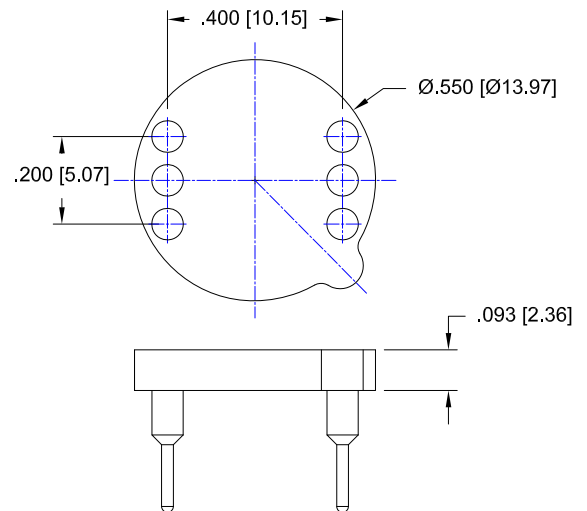


Fig. 18

Thru-Hole: R400-SP06-02T-01S-R27-L14
Surface Mount: R400-SP06-02T-93S-R27-L14

First Sensor AG Continued

Top View Shown
Units: in [mm]

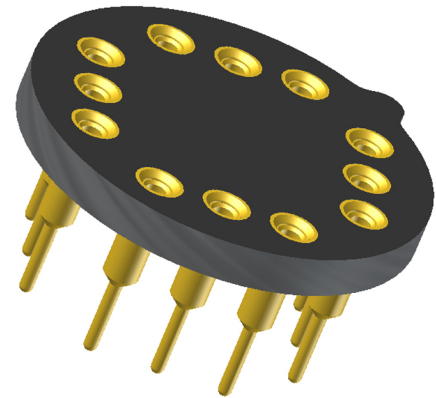
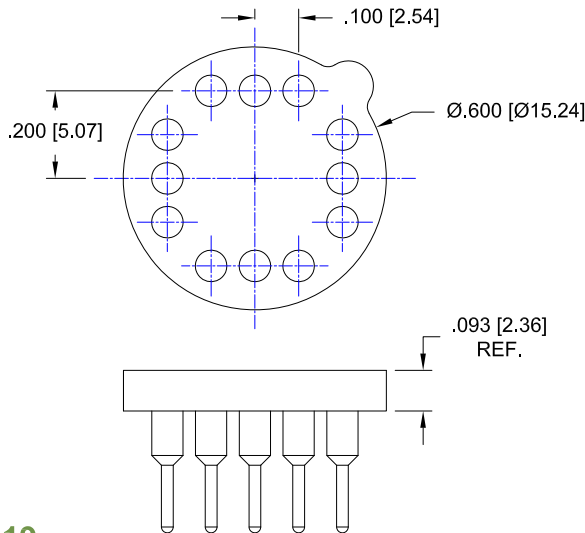


Fig. 19

Thru-Hole: R400-SP12-02T-01S-R27-L14
Surface Mount: R400-SP12-02T-93S-R27-L14

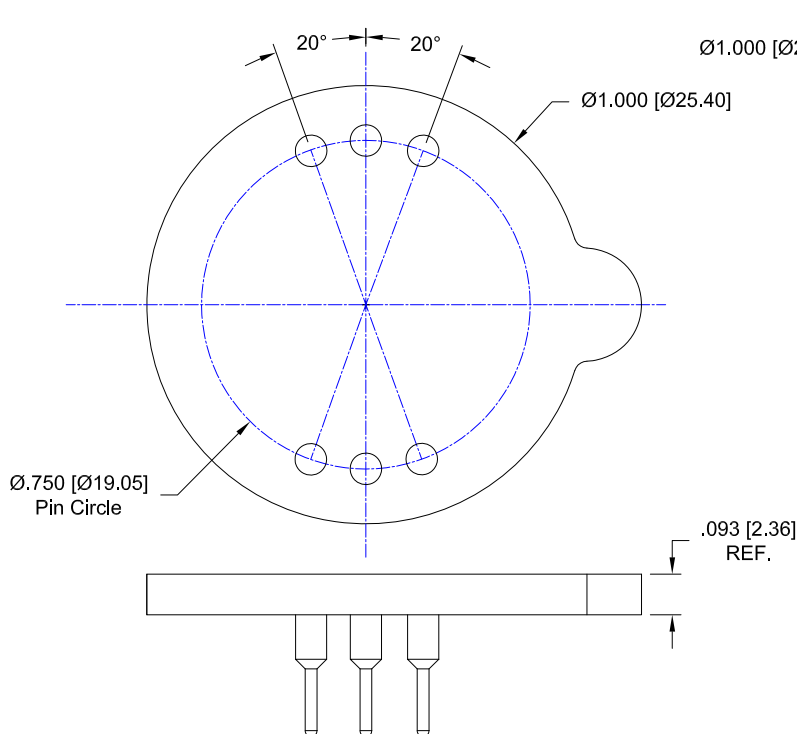


Fig. 20

Thru-Hole: R750-1806-01T-01S-R27-L14
Surface Mount: R750-1806-01T-93S-R27-L14

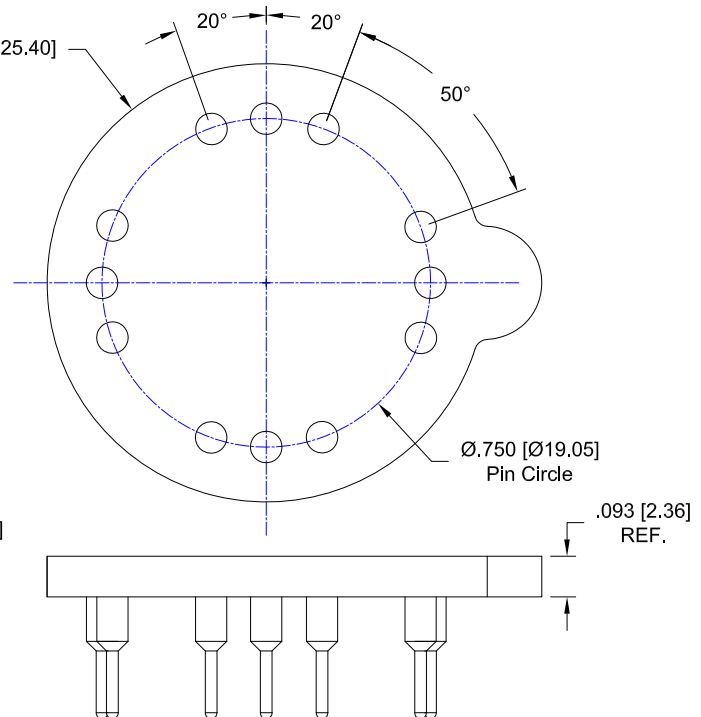


Fig. 21

Thru-Hole: R750-1812-01T-01S-R27-L14
Surface Mount: R750-1812-01T-93S-R27-L14

First Sensor AG Continued

Top View Shown
Units: in [mm]

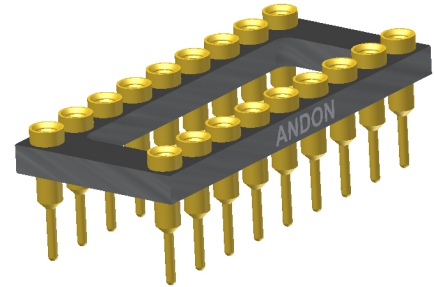
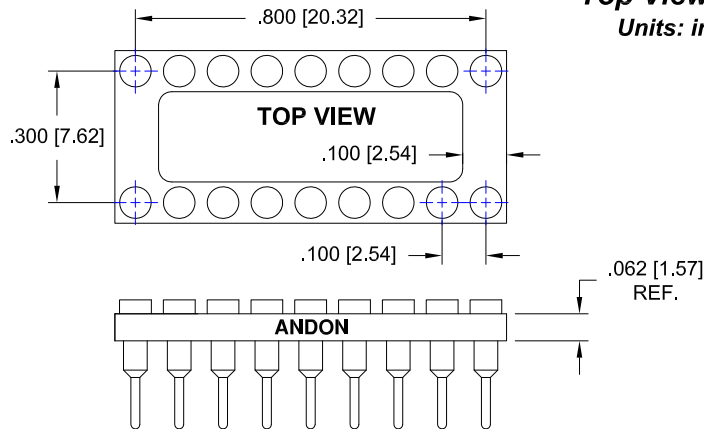


Fig. 22

Thru-Hole: IS229-318-01S-R27-L14
Surface Mount: IS229-318-93S-R27-L14

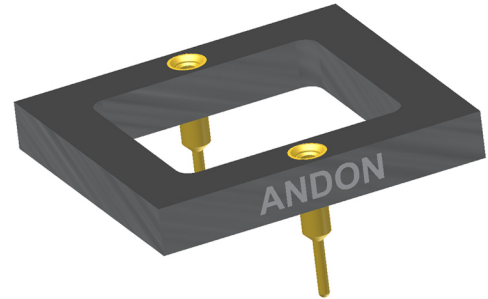
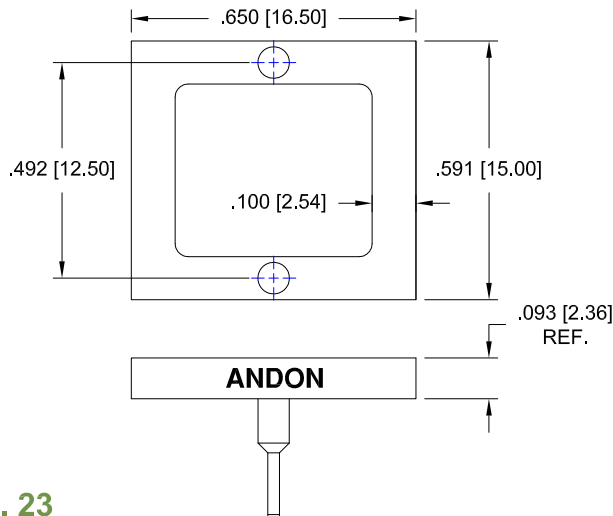
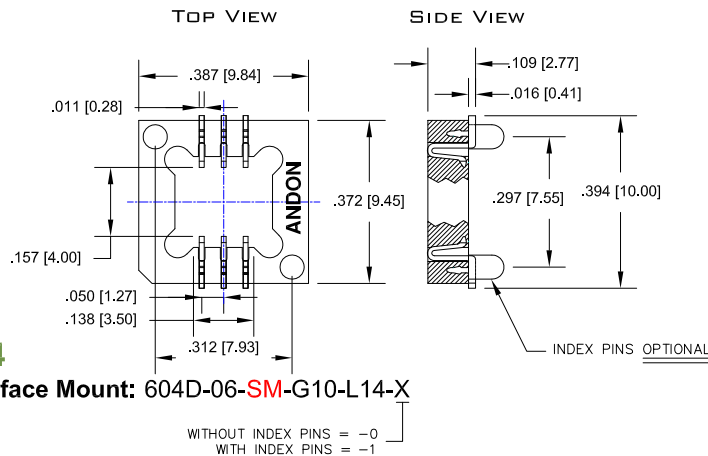
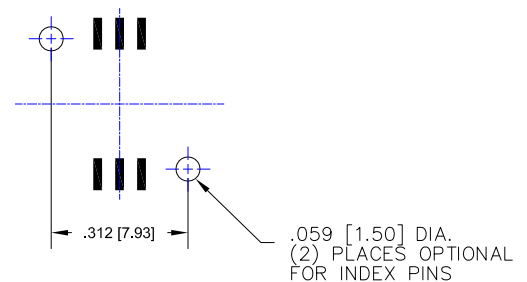


Fig. 23

Thru-Hole: IS492SP-06-01S-R27-L14
Surface Mount: IS492SP-06-93S-R27-L14



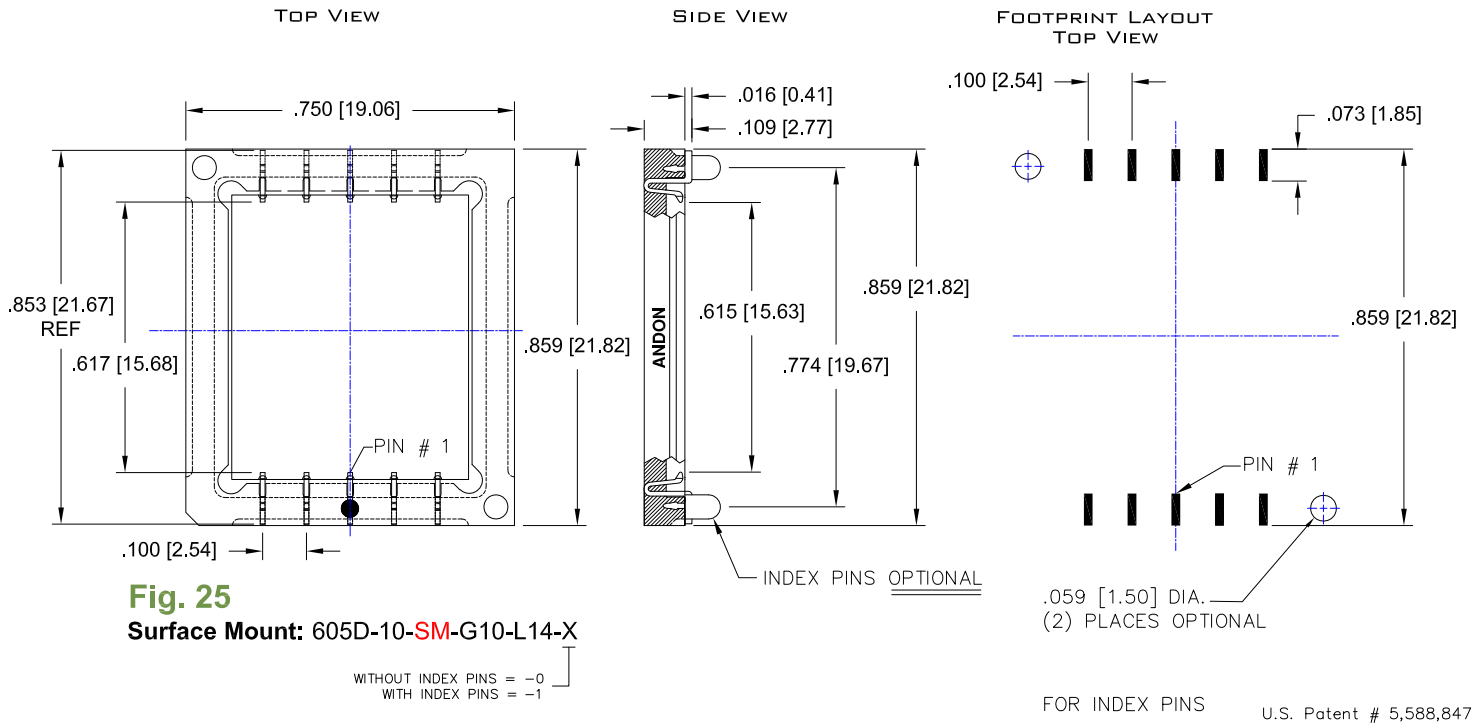
FOOTPRINT LAYOUT
TOP VIEW



U.S. Patent # 5,588,847

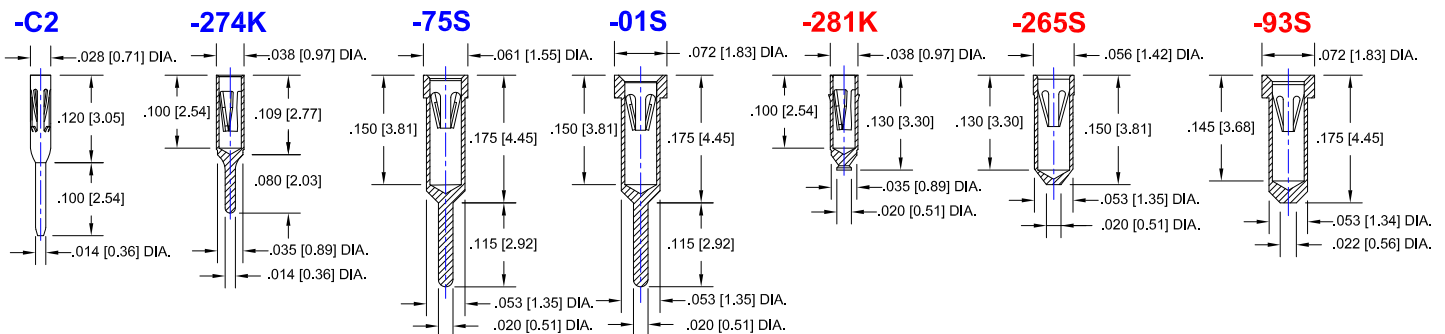
First Sensor AG Continued

Top View Shown
Units: in [mm]



Socket Terminal Details

Cross Section View Shown Units: in [mm]



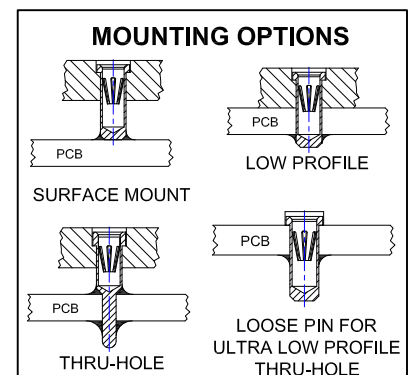
Material:

Insulator: Hi-Temp UL 94V-0
Terminal: Brass, per ASTM-B16
Contact: BeCu, Per ASTM-B194

Plating: RoHS COMPLIANT

R27 TERMINAL: GOLD / CONTACT: GOLD
R17 TERMINAL: TIN / CONTACT: GOLD
OTHER PLATINGS AVAILABLE

Terminal Acceptance and Forces							
Thru Hole Terminals				Surface Mount Terminals			
Thru Hole Terminal	Accepts Pin Diameter	Insertion Force	Withdrawal Force	Surface Mount Terminal	Accepts Pin Diameter	Insertion Force	Withdrawal Force
-C2	Ø.018 [Ø0.46]	1.5 oz Avg.	0.04 oz Min	-281K	Ø.018 [Ø0.46]	1.0 oz Max	0.5 oz Min
-274K	Ø.018 [Ø0.46]	1.0 oz Max	0.5 oz Min	-265S	Ø.018 [Ø0.46]	9.0 oz Avg.	2.0 oz Min
-75S	Ø.018 [Ø0.46]	9.0 oz Avg.	2.0 oz Min	-93S	Ø.018 [Ø0.46]	9.0 oz Avg.	2.0 oz Min
-01S	Ø.018 [Ø0.46]	9.0 oz Avg.	2.0 oz Min				



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RoHS Compliant

*Sockets are not drawn to scale First Sensor AG 01/24/2013

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- GAS SENSOR SOCKETS
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